

Advance Your Career
Become Job ready
in 3-5 months

C Programming

What is C Programming?

C is a procedural or general purpose programming language which is developed in 1972 by Dennis Ritchie at AT&T's Bell Laboratories.

What They Do?

C Programming language will help you to develop and design complex software applications.

Why C Programming?

Understand the performance engineering to the core detail. This is very important for large scale projects.



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C Programming Language– Career Track

Introduction of C

- What is C Language
- Why C Language
- Future in C Language
- Summary

Setting up and Installing C language

- Prerequisite In C Language
- Installation of C
- Summary

Data Type, Constants & Variables

- What is Data Types In C Language with practical
- Integers, long and short in C Language with practical
- Integers, signed and unsigned in C Language with practical
- Chars, signed and unsigned in C Language with practical
- Floats and Doubles in C Language with practical
- Constants In C with practical
- Variables In C practical
- Keywords In C practical
- How to get Input from user with practical
- How to display output to user with practical
- Summary

Statements

- IF - ELSE Statement in C Language with practical
- For loop in C Language with practical
- While loop in C Language with practical
- Do - While loop in C Language with practical
- Break in C Language with practical
- Continue in C Language with practical
- Switch in C Language with practical
- Summary



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Function	<ul style="list-style-type: none"> • What is Function In C Language with practical • Passing Value between Function in C Language with practical • Call by Value in C Language with practical • Call by Reference in C Language with practical • Summary
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Pointer	<ul style="list-style-type: none"> • An introduction to Pointers • Pointer Notation in C Language • Back to Function Calls in C Language with practical • Recursion in C Language with practical • Summary
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Preprocessor	<ul style="list-style-type: none"> • The C Preprocessor in C Language • Features of C Preprocessor • Macro Expansion in C Language • Macros with Arguments with practical • Macros versus Functions with practical • File inclusion in C Language with practical • #if and #elseif Directives with practical • Miscellaneous Directive with practical • #under Directive with practical • pragma Directive with practical • Summary
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Arrays	<ul style="list-style-type: none"> • What are Arrays in C Language • A Simple Program Using Array • How to Initialize Array in C Language with practical • Passing Array Elements in C Language to a Function with practical • Pointers and Arrays in C Language with practical • Passing an Entire Array to a Function in C Language with practical • Two Dimensional Arrays in C Language with practical • Initializing a 2 - Dimensional Array with practical • Pointers and 2 - Dimensional Arrays with practical • Pointer to an Array with practical • Passing 2- D array to a Function with practical • Array of Pointers with practical • Three Dimensional Array with practical • Summary
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Strings

- What are Strings in C Language
- How to get length of a string in C Language using strlen() with practical
- How to copy a string in C Language using strcpy() with practical
- How to concatenate a string in C Language using strcat() with practical
- How to compare two string in C Language using strcmp() with practical
- Summary

Structures

- What is Structures in C Language
- Why Use Structures in C Languages
- Declaring a Structure in C Language with practical
- Accessing Structure Elements are stored with practical
- How Structure Elements are Stored with practical
- Array of Structures in C Language with practical
- Additional Features of Structure with practical
- Uses of Structures with practical
- Summary

File Operation

- File Input/Output in C Language with practical
- File Operations in C Language with practical
- Opening a File in C Language with practical
- Reading from a File in C Language with practical
- Closing the File in C Language with practical
- Counting Characters, Tabs, Spaces, with practical
- A File - copy Program in C Language
- Writing to a File in C Language with practical
- File Opening Modes
- String (line) I/O in Files
- Summary

Operator and Enum

- Operations On Bits in C Language with practical
- Bitwise Operators with practical
- One's Complement Operator with practical
- Right Shift Operator with practical
- Left Shift Operator with practical
- Bitwise AND Operator with practical
- Bitwise OR Operator with practical
- Bitwise XOR Operator with practical
- Enumerated Data Type with practical
- Uses of Enumerated Data Type with practical
- Summary



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